CLAIMS

1. A device for damping movable furniture parts, comprising an actuation part (13) which is held so that it can be moved to and fro corresponding to the movement of a furniture part; a damper (19); and a gear stage (29) for translating the movements of the actuation part (13) into movements of the damper (19), characterised in that the gear stage (29) contains an overrunning coupling (31) which when the actuation part (13) is moved in a first direction couples, and when the actuation part (13) is moved in a second direction, which is opposite to the first direction, uncouples.

2. The damping device according to the preceding claim, wherein the overrunning coupling (31) is formed by a gear element (26) of the gear stage (29), which gear element (26) transmits driving forces in one direction of force flow (34, 35) onto a further gear element, is transversely held in relation to the direction of force flow (34, 35) of the driving forces, and by movement in one direction is uncoupled, and by movement in the opposite direction is coupled.

3. The damping device according to the preceding claim, wherein the two gear elements comprise wedge-shaped coupling engagement surfaces (27, 28), which are engageable and disengageable in relation to each other by relative movement of the two gear elements.

4. The damping device according to any one of the preceding claims, wherein the overrunning coupling (31) is formed by a gear wheel (26) of the gear stage (29), wherein said gear wheel (26) is seated on a gear shaft so that it is axially slidable, and by axial movement in a first direction can be engaged so as to be rotationally rigid in relation to the gear shaft, while by axial movement in the opposite direction it can be disengaged from the gear shaft.

5. The damping device according to any one of the preceding claims, wherein the gear shaft is constituted by the outer wall of a rotatable part (21) of the damper (19).

6. The damping device according to any one of the preceding claims, wherein the overrunning coupling (31) is designed so as to couple in a non-positive way.

7. The damping device according to any one of the preceding claims, wherein the gear wheel (26) and/or the gear shaft comprise a conical coupling engagement surface (27, 28).

8. The damping device according to any one of the preceding claims, wherein the overrunning coupling (31) is designed to couple in a positively engaging manner.

9. The damping device according to the preceding claim, wherein the gear wheel (26) and the gear shaft comprise locating surfaces (32, 33) which are arranged in a wedge-shape.

10. The damping device according to any one of the preceding claims, wherein the gear stage (29) comprises engagement means, in particular helical gearing (30), which depending on the direction of movement of the gear stage (29) exert differently directed engagement and disengagement forces on the overrunning coupling (31).

11. The damping device according to any one of the preceding claims, wherein the gear element (26) which forms the overrunning coupling (31) is seated directly on the damper (19).

12. The damping device according to any one of the preceding claims, wherein a rotation damper (19) is provided, wherein the rotation damper is preferably designed for effective damping in two directions of rotation.

13. The damping device according to any one of the preceding claims, wherein the damper (19) is free of any restoring means.

14. The damping device according to any one of the preceding claims, wherein the actuation part is guided so as to axially slidable, and

comprises a toothed rack profile (17) which intermeshes with a gear pinion (26).

15. The damping device according to any one of the preceding claims, wherein the toothed rack profile and the gear pinion comprise helical gearing.

16. The damping device according to any one of the preceding claims, wherein the gear stage (29) provides a speed increasing ratio in relation to the movements of the actuation part (13).

17. The damping device according to any one of the preceding claims, wherein it is integrated in a closing device (6), and/or the actuation part (13) or a gear component which is connected to said actuation part (13) are/is spring-loaded (16) in the direction of closing.